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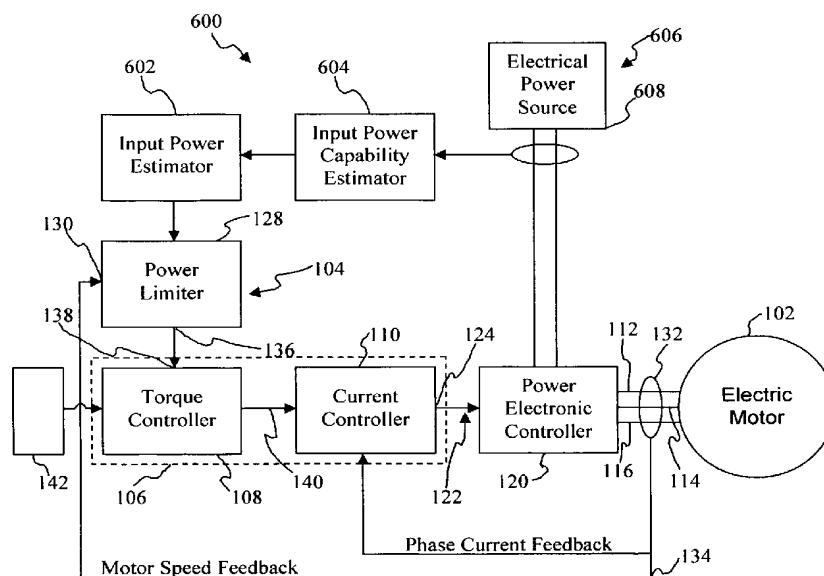
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(54) Title: METHOD AND APPARATUS FOR CONTROLLING AN ELECTRIC MOTOR



(57) Abstract: The present invention provides a method for controlling the output power of a permanent magnet electric motor (102) using a control means (106). The control means (106) includes a means (134) for measuring motor speed (134) and motor phase current (134), and a means for controlling motor phase current (110) to a desired level. A known relationship between motor phase current and motor torque is then employed by a torque controller so that motor shaft torque can be controlled. A power limiting means (128) then limits the output mechanical power of the motor by dividing a limit value of power by the motor speed to produce a maximum allowable torque setting for that speed.

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